|   | Index of Claims |                  |               |             |          |              |  |          |             |              |           |              | Application No. |          |                      |  |            |             |         |          |          |            | Applicant(s)  |          |              |              |         |         |           |           |      |  |
|---|-----------------|------------------|---------------|-------------|----------|--------------|--|----------|-------------|--------------|-----------|--------------|-----------------|----------|----------------------|--|------------|-------------|---------|----------|----------|------------|---|----------|--------------|--------------|---------|---------|-----------|-----------|------|--|
|   |                 |                  |               |             |          |              |  |          |             |              |           | L            | 09/779,749      |          |                      |  |            |             |         |          |          |            | BEI ET AL.  |          |              |              |         |         |           |           |      |  |
| • |                 |                  |               |             |          |              |  |          |             |              |           |              | Examiner        |          |                      |  |            |             |         |          |          |            | Art Unit  |          |              |              |         |         |           | _         |      |  |
|   |                 |                  |               |             |          |              |  |          |             |              |           |              |                 |          |                      |  |            |             |         |          |          |            |   |          |              |              |         |         |           |           |      |  |
|   |                 | 11997            | 1 611         | 1 11 1/     | 111411   |              | 11112 (1011)   | DIM      |             | E1           |           |              |                 |          | Melur Ramakrishnaiah |  |            |             |         |          |          |            |   | 2643     |              |              |         |         |           |           |      |  |
|   |                 |                  |               | _           |          |              | 1  | _        |             |              |           |              |                 |          |                      | ו  |            |             |         |          |          | 1          |   |          |              |              |         |         |           |           |      |  |
|   |                 |                  | 1             | Rejected    |          |              | _  | (        | Thre        | hrough numer |           |              | ral             | al)      |                      | N  | Non-I      |             | Elected |          |          | A          | Appeal  |          |              |              |         |         |           |           |      |  |
|   |                 | -                |               |             |          |              |  | $\vdash$ | <u> </u>    |              | Cancelled |              |                 |          |                      |  |            | _           |         |          |          |            | $\Box$  |          |              |              | -       |         |           |           |      |  |
|   |                 |                  | =             | Allowed     |          |              | +  |          | ١           | Restricted   |           |              |                 |          |                      | ı  | Interferen |             | nce     | ce       | 0        | Objected   |   |          |              |              |         |         |           |           |      |  |
|   |                 |                  | Ш             | L.,         |          |              | J  | L        | L           |              |           |              |                 |          |                      | J  |            | <del></del> |         |          |          | }          | Ш   |          |              |              | ┙       |         |           |           |      |  |
|   | CI              | aim Date         |               |             |          |              | е  |          | <b>一</b> :: |              | Clair     | n I          |                 |          |                      | Date   | <u> </u>   |             |         | ا<br>ا   | CI       | aim        | Г   | Date     |              |              |         |         | l ·       |           |      |  |
|   |                 | -                | ঠ             | Stute       |          |              |  |          | П           |              | T         |              |                 | TT       |                      | $\prod$  |            |             | $\top$  |          |          |            | П   |          |              | TIII         |         |         | T         | Γ         | ĺ    |  |
|   | Final           | Original         | 2             | 911         |          |              | <b> </b>   |          |             | - C          | 3         | Original     |                 |          |                      |  |            |             |         |          | Final    | Original   |   |          |              |              |         | ŀ       |           |           | ĺ    |  |
|   | "               | ŏ                | 1             | S           |          |              |  |          |             | u            | -         | ŏΙ           |                 |          | 1                    |  |            |             |         |          | "        | ō          |   |          |              |              |         |         |           |           |      |  |
|   |                 | (1)              | V             | 7           |          |              |  |          |             |              |           | 51           |                 | L        | 1                    |  |            |             |         |          |          | 101        |   |          |              |              | 1       | 1       |           |           |      |  |
|   |                 | 3                | 1             | -{          | -        | $\perp$      |  | -        | Щ           | <u> </u>     |           | 52<br>53     | +               | +        | ╁-                   |  | -          | $\dashv$    | -       | -        | <u> </u> | 102        | Н   |          | $\dashv$     | -            | -       | +       | +         | -         |      |  |
|   | _               | 4                | ₩             | +           | +        | +            | +  | ╁╴       | Н           | -            |           | 33<br>54     | 十               | ╁        | 十                    | $\vdash$   | $\dashv$   |             | +       | -        | -        | 103        | $\vdash$  | $\dashv$ | $\dashv$     | +            | +       | - -     | ╁╴        | Н         |      |  |
|   |                 | (5)              | E             | 1           | 士        |              |  |          |             |              |           | 55           |                 |          | 上                    |  |            |             | 士       | ]        |          | 105        |   |          |              | $\exists$    | 士       |         |           |           |      |  |
|   | <u> </u>        | 6<br>7           | 1             | $\prod$     |          | $oxed{\bot}$ | 4  | <u> </u> |             |              |           | 6            | -               | ╀        | 1                    | $\sqcup$   | _          | 4           | -       | _        |          | 106        | Н   |          |              | 4            | $\perp$ | 4       | $\bot$    |           |      |  |
|   |                 | 8                | Н             | ╫           | +        | +            | ├┼╴  | ╁        | Н           | -            |           | 57           | ╁               | ╀        | ╁┈                   |  | ┥          | $\dashv$    | +       | -        |          | 107<br>108 | $\vdash$  | $\dashv$ | $\dashv$     | $\dashv$     | ╬       | +       | ╁         | Н         |      |  |
|   |                 | 9                |               | 1           | 1        |              |  | T        |             | -            | +         | 9            | 1               | $\perp$  | $\top$               |  |            |             | $\top$  |          |          | 109        | H   |          | $\exists$    | 7            | 1       | $\top$  | +         | H         |      |  |
|   |                 | 10               | y             | П           | Ţ        |              |  |          |             |              |           | 50           | T               | Ţ        | Ţ                    | П  | $\Box$     | $\Box$      |         |          |          | 110        | П   | $\Box$   |              | $\Box$       |         |         | I         | П         |      |  |
|   |                 |                  | 0             | ₩           | -        | -            |  | ⊢        | -           | -            |           | 51  <br>52   | - -             | ╀        | ╀                    | ⊢  | 4          |             |         | -        |          | 111<br>112 | $\vdash$  |          |              | -            |         | -       | 4-        | Н         |      |  |
|   | _               | 3                | 14            | 4           | ╅        | +            | $\vdash$   | 1.       | $\vdash$    | -            |           | 3            | ╅               | 十        | +                    | H  | ᅥ          | ᅥ           | +       | -        |          | 113        | $\dashv$  |          |              | +            | +       | ╁       | ╁         | Н         |      |  |
|   |                 | 14               |               | $\parallel$ |          |              |  |          |             |              |           | 34           |                 | T        |                      |  | $\Box$     |             |         |          |          | 114        |   |          |              | $\Box$       |         |         |           |           | <br> |  |
|   |                 | 15<br>16         | 11            | 44          | - -      | $\sqcup$     |  | 1        | -           | _            |           | 55<br>56     | +               | ╀        | ╀                    | $\sqcup$   | 4          | -           | _ _     | _        |          | 115<br>116 | -   |          | -            | 4            | +       | +       | ╬         | $\vdash$  |      |  |
|   |                 |                  | V             | H           | +        | Н            | $\vdash$   | $\vdash$ | $\dashv$    | -            |           | 7            | +               | +        | +                    | ╁┤   | $\dashv$   | -           | ╁       | -        |          | 117        | $\vdash$  |          | -+           | +            | +       |         | +         | Н         |      |  |
|   |                 | 48               | ð             | 1           | 工        |              |  |          |             |              | . [6      | 8            |                 |          |                      |  |            | $\Box$      |         |          |          | 118        |   |          | $\exists$    |              |         |         | 上         |           | ı    |  |
|   |                 | 19               | М             | 11          | +        | Н            | $\perp$  | <u> </u> | _           | _            |           | 9            | 4-              | _        | ╄                    | $\vdash$   | 4          | $\dashv$    | $\perp$ | -        | _        | 119        |   | 4        | 4            | 4            | 4       | 4-      | <u> -</u> | Ц         |      |  |
|   |                 | 20               | 1             | ╫           | ╅        | ╁┤           | +  | ┢        | -           | -            |           | '0<br>'1     | +-              | ╁        | ╁╴                   | H  | ┪          | $\dashv$    | +       | -        |          | 120<br>121 | $\dashv$  | -        | -            | +            | +       | ╁       | ╬         | $\vdash$  |      |  |
|   |                 | 22               |               | Ш           | 土        |              |  |          |             |              | 7         | 2            |                 |          |                      |  | $\exists$  |             | 土       | 1 1      |          | 122        |   |          |              | I            |         | $\perp$ | 上         |           |      |  |
|   |                 | 23               | K             | 41          | 4        | 1-1          |  |          | _           | <u> </u>     |           | 3            | 4               | Ļ        | 1_                   |  | 4          | 4           | _       | _        |          | 123        |   | $\perp$  | _            | $\downarrow$ |         | 1       | _         | Ц         |      |  |
|   |                 | 24<br><b>2</b> 5 | <del>IJ</del> | ╫           | +        | H            | +  | Н        | -           | -            |           | 5            | +               | ╀        | $\vdash$             | -  | +          | $\dashv$    | +       | -        |          | 124<br>125 | -   | $\dashv$ | -+           | +            | +       | +       | ╁         | Н         |      |  |
|   |                 | 28               | Ď             | 1           |          |              |  |          |             |              |           | 6            |                 | T        |                      |  | $\forall$  |             | +       | 1 1      |          | 126        |   | 7        | 寸            | 十            | 十       | +       | 1         | H         |      |  |
|   |                 | 27               | V)            | 4           | /        |              |  | Ц        | _           |              |           | 7            | $\perp$         | L        |                      | $\Box$   | Ц          | $\Box$      | $\bot$  | ] [      |          | 127        |   | $\Box$   | $\Box$       | I            | 1       | I       |           | $\Box$    |      |  |
|   |                 | 28<br>29         | 14            | ₩           | +        | H            |  | Н        |             | _            |           | 9            | ╁               | ├        | ╀                    | $\dashv$   | +          | -           | +       | ┦┈┝      |          | 128<br>129 |   | -        | $\dashv$     | +            | +       | ╁       | +-        | Н         |      |  |
|   |                 | 30               |               | 7           | $\dashv$ | $\Box$       |  | Н        | $\neg$      | -            |           | <del>5</del> | +               | H        | Н                    | +  | $\dashv$   | ┪           | +       | ┪╟       |          | 130        | $\dashv$  | -        | +            | $^{+}$       | +       | +       | $\vdash$  | $\vdash$  |      |  |
|   |                 | 31               |               | $\Box$      | $\bot$   | П            |  |          |             |              | 8         | 1            |                 |          | П                    |  |            | $\exists$   |         |          |          | 131        |   |          | $\Box$       | 1            |         | T       | $\Box$    |           |      |  |
|   |                 | 32<br>33         | $\dashv$      | +           | -        | $\vdash$     | - -  | Ы        | _           | <u> </u>     | 8 8       | 2            | +               | H        | H                    |  | +          | 4           | 4.      |          |          | 132        |   | -        | -+           | 4            | +       | +       | -         |           |      |  |
|   |                 | 34               | $\forall$     | $\forall$   | +        | H            | +  |          | $\dashv$    | -            |           | 4            | ┿               | H        | H                    | $\dashv$   | +          | +           | ┿       | ╁        |          | 133        | $\dashv$  | +        | +            | +            | -       | ╁       | +         | $\dashv$  |      |  |
|   |                 | 35               |               | I           |          |              |  |          |             |              | 8         | 5            |                 | T        |                      |  | $\top$     | 7           | $\top$  | 1        |          | 135        |   |          |              | 1            |         |         |           | $\exists$ |      |  |
|   |                 | 36<br>37         | $\dashv$      | 4           | +        | $\vdash$     | -  |          | _           | <u> </u>     | 8         |              | Į.,             | L        | Н                    | $\Box$   | 4          | 4           | T       | ] [      |          | 136        |   |          |              | T            |         |         | 150       |           |      |  |
|   |                 | 38               | $\dashv$      | $\dashv$    | +        | ╁┼           | -  | Н        | -           | -            | 8         |              | +               | ┝        | Н                    | +  | +          | +           | +       | ┨╟       | -+       | 137<br>138 | +   | +        | +            | +            | ╁       | ╀       | ╀┤        | $\dashv$  |      |  |
|   |                 | 39               |               | 7           | $\top$   | П            |  | H        |             | -            | 18        |              | +               | ┢        | Н                    | +  | +          | ╅           | ╁       | 1 1      | $\dashv$ | 139        | +   | 7        | ╅            | $\dagger$    | +       | 十       | Н         | ᅱ         |      |  |
|   |                 | 40               | $\Box$        | $\Box$      | T        |              | $\Box$   | $\Box$   |             |              | 9         |              |                 |          |                      | コ  | 1          |             | 工       |          |          | 140        |   | 1        | $\Box$       | I            |         |         |           | コ         |      |  |
|   | $\dashv$        | 41<br>42         |               | +           | +        | ┥            | +  | Н        | -           | -            | 9         |              | +               | $\vdash$ | H                    | -  | 4          | +           | +       | 4        | _        | 141        | +   | +        | 4            | 4            | +       | $\perp$ | $\square$ | 4         |      |  |
|   | $\dashv$        | 43               | $\dashv$      | +           | 十        | $\vdash$     | +  | H        | $\dashv$    | $\vdash$     | 9         |              | +-              | $\vdash$ | Н                    | $\dashv$   | +          | +           | +       | ╢        | $\dashv$ | 142        | +   | +        | +            | +            | ╁       | +       | $\vdash$  | $\dashv$  |      |  |
|   |                 | 44               | $\Box$        | $\perp$     |          |              |  |          |             |              | 9         | 4            | I               |          |                      | 士  | 士          | 士           | 士       | ]        |          | 144        | 士   | 士        | 1            | 士            | İ       | İ       |           | $\exists$ |      |  |
|   |                 | 45               | 4             | 4           | 丰        | П            | $\Box$   | Ц        | 4           |              | 9         |              | $\perp$         | 匚        | П                    | Į  | Ţ          | Ţ           | $\bot$  | ] [      |          | 145        | $\Box$  | $\perp$  | $\downarrow$ | #            | Ţ       | Ţ       |           | $\Box$    |      |  |
| } |                 | 46<br>47         | +             | +           | +-       | ╟╫           | $ \vdash$ $\mid$   | $\dashv$ | -           | -            | 9         |              | +-              | -        | $\vdash$             | $\dashv$   | +          | +           | +-      | ╢        |          | 146<br>147 | +   | +        | +            | +            | +       | +       | ╁┤        | 4         |      |  |
| Ì |                 | 48               | $\exists$     | 十           | $\pm$    | ╚            | $\top$   |          | -           | -            | 9         |              | +               |          | ┥                    | +  | +          | +           | +       | ╬        |          | 148        | +   | +        | +            | +            | +       | +       | ╁┤        | $\dashv$  |      |  |
| ļ | $\Box$          | 49               | $\bot$        | Ţ           | Ţ        | П            | П  | $\Box$   |             |              | 9         | 9            |                 |          | 口                    | I  | 1          | 士           |         | <u> </u> |          | 149        | 1   | I        |              |              |         | I       |           | 7         |      |  |
| Į |                 | 50               | _L            |             |          | $\sqcup L$   | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | $\perp$  |             |              | 10        | 0            |                 |          | Ш                    | $oldsymbol{ol}}}}}}}}}}}}} $ | $\perp$    | $\perp$     |         | ][       |          | 150        | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\perp$  | $\perp$      | $\perp$      | L       | Ι       |           |           |      |  |